

Entry EC 3.2.1.89 Enzyme

Name arabinogalactan endo-1,4-beta-galactosidase;
endo-1,4-beta-galactanase;
galactanase;
arabinogalactanase

Class Hydrolases;
Glycosylases;
Glycosidases, i.e. enzymes that hydrolyse O- and S-glycosyl
compounds
[\(BRITE hierarchy\)](#)

Sysname arabinogalactan 4-beta-D-galactanohydrolase

Reaction (IUBMB) Endohydrolysis of 1,4-beta-D-galactosidic linkages in
arabinogalactans

Orthology KO: K01224 arabinogalactan endo-1,4-beta-galactosidase

Genes

MGR: MGG_09726
ANI: AN5727.2
AFM: AFUA_1G06910
AOR: AO090001000492
YPE: YPO0853
YPK: y3238
YPM: YP_3550
YPA: YPA_0417
YPN: YPN_3055
YPP: YPDSF_0660
YPS: YPTB3098
ECA: ECA3178
XCC: XCC1257(galA) XCC3624(galA)
XCB: XC_0587 XC_2984
XCV: XCV0610(ganA) XCV1360
XAC: XAC1309(galA)
SDE: Sde_0683 Sde_2827 Sde_3710
BCN: Bcen_4875
BCH: Bcen2424_3290
BAM: Bamb_6329
SCL: sce6753(galA)
BSU: BSU34120(yvfO)
BHA: BH2023
BLI: BL00263(yvfO)
BLD: BLi04276(yvfO)
BCL: ABC3517
BPU: BPUM_3616(yvfO)
LME: LEUM_1066
CAC: CAC2570(ganA)
CPY: Cphy_3586
MPE: MYPE6320
SMA: SAV1324

Search  for

NiceZyme View of ENZYME: EC 3.2.1.89

Official Name	
Arabinogalactan endo-1,4-beta-galactosidase.	
Alternative Name(s)	
Arabinogalactanase.	
Endo-1,4-beta-galactanase.	
Galactanase.	
Reaction catalysed	
Endohydrolysis of 1,4-beta-D-galactosidic linkages in arabinogalactans	
Cross-references	
BRENDA	3.2.1.89
PUMA2	3.2.1.89
PRIAM enzyme-specific profiles	3.2.1.89
KEGG Ligand Database for Enzyme Nomenclature	3.2.1.89
IUBMB Enzyme Nomenclature	3.2.1.89
IntEnz	3.2.1.89
MEDLINE	Find literature relating to 3.2.1.89
MetaCyc	3.2.1.89
UniProtKB/Swiss-Prot	P48842, GANA_ASPAC; P83691, GANA_HUMIN; P48841, GANA_PSEFL; P83692, GANA_THIHE;

[View entry in original ENZYME format](#)

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All UniProtKB/Swiss-Prot entries referenced in this entry, with possibility to download in different formats, align etc.

All ENZYME / UniProtKB/Swiss-Prot entries corresponding to 3.2.1.-

All ENZYME / UniProtKB/Swiss-Prot entries corresponding to 3.2.-.-

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